

What is claimed is:

1. A light emitting diode reflector assembly comprising:
 - a) a base having a plurality of light emitting diodes, said light emitting diodes receiving power from a power source;
 - b) a reflector positioned proximate to said light emitting diodes, said reflector constructed for reflecting light emitted from said light emitting diodes for the provision of a warning light signal; and
 - c) A motor connected to said reflector, said motor moving said reflector relative to said light emitting diodes.
- 5 2. The light emitting diode reflector assembly according to claim 1, said base further comprising a collar, said collar having a reflector support positioning said reflector above said light emitting diodes,
- 10 3. The light emitting diode reflector assembly according to claim 2, further comprising a first gear engaged to said motor, said first gear being further engaged to said collar imparting motion to said reflector relative to said light emitting diodes.
- 15 4. The light emitting diode reflector assembly according to claim 2, wherein said light emitting diode assembly is integral to a vehicle.
- 20 5. The light emitting diode reflector assembly according to claim 2, wherein said motion of said reflector is rotational.
6. The light emitting diode reflector assembly according to claim 2, wherein said motion of said reflector is oscillatory.
- 25 7. The light emitting diode reflector assembly according to claim 2, further comprising a filter positioned between said reflector and said light emitting diodes.
8. The light emitting diode reflector assembly according to claim 2, further comprising a culminator positioned adjacent to at least one of said light emitting diodes.
- 30 9. The light emitting diode reflector assembly according to claim 2, further comprising a controller in communication with said light emitting diodes, said controller selectively illuminating said light emitting diodes for the provision of a plurality of visually distinct warning light signals.
10. The light emitting diode reflector assembly according to claim 2, said plurality of light emitting diodes comprising light emitting diodes of at least two different colors.

11. The light emitting diode reflector assembly according to claim 10, further comprising a controller selectively activating the light emitting diodes to create at least one of a single colored warning light signal and at least one of a multi-colored warning light signal.

5 12. The light emitting diode reflector assembly according to claim 2, wherein the warning light signal is selected from the group consisting of: a revolving light, an oscillating light, a flashing light, a stroboscopic light, a pulsating light, a modulating light, an alternating light, and any combinations thereof.

13. The light emitting diode reflector assembly according to claim 10, where the 10 plurality of light emitting diodes are selectively illuminated to create the appearance of multi-colored rotation.

14. The light emitting diode reflection assembly according to claim 2, further comprising a controller selectively activating and simultaneously displaying light emitting diodes to create a plurality of visually distinctive warning light signals.

15 15. The light emitting diode reflector assembly according to claim 2, wherein said reflector assembly is engaged to a utility vehicle.

16. The light emitting diode reflector assembly according to claim 2, wherein said reflector assembly is engaged to an emergency vehicle.

17. The light emitting diode reflector assembly according to claim 2, wherein more 20 than two different types of visually distinct warning light signals are produced simultaneously.

18. The light emitting diode reflector assembly according to claim 2, wherein more than two different types of visually distinct warning light signals are produced independently of one another.

25 19. The light emitting diode reflector assembly according to claim 2, wherein more than two different types of visually distinct warning light signals are produced in at least one combination.

20. The light emitting diode reflector assembly according to claim 2, further comprising a controller for the provision of modulated light intensity to said light 30 emitting diodes.

21. The light emitting diode reflector assembly according to claim 2, wherein said reflector has a flat surface.

22. The light emitting diode reflector assembly according to claim 2, wherein said reflector has a concave surface.

23. The light emitting diode reflector assembly according to claim 2, wherein said reflector has a convex surface.

5 24. The light emitting diode reflector assembly according to claim 2, wherein said reflector has a parabolic surface.

25. The light emitting diode reflector assembly according to claim 2, wherein said reflector is positioned at an angle of approximately 45° relative to said light emitting diodes.

10 26. The light emitting diode reflector assembly according to claim 3, said motor comprising a post, said base comprising an arm engaged to said post, where said base is movable about said post.

27. The light emitting diode reflector assembly according to claim 3, further comprising a plurality of light emitting diode reflector assemblies positioned adjacent to each other.

15 28. The light emitting diode reflector assembly according to claim 26, further comprising a cover positioned over said reflector, said base, and said light emitting diodes, said cover protecting said reflector and said light emitting diodes from damage.

29. The light emitting diode reflector assembly according to claim 27, wherein said plurality of reflectors are engaged to each other whereby motion of one reflector transfers motion to another reflector.

20 30. The light emitting diode reflector assembly according to claim 27, wherein said plurality of reflectors are synchronized for motion relative to each other and to said light emitting diodes.

25 31. The light emitting diode reflection assembly according to claim 8, wherein said culminator is conical.

32. A light emitting diode reflector assembly comprising:

30 a) a base having a plurality of light emitting diodes, said light emitting diodes receiving power from a power source;

 b) a reflector attached and positioned proximate to said base; and

 c) a motor connected to said reflector and to said base, said motor moving said reflector and said base for the provision of a warning light signal.